



Welcome United States Patent and Trademark Office

Home | Login | Logout | Access Information | Alerts | Sitemap | Help

**Search Results**

BROWSE

SEARCH

IEEE Xplore Guide

SUPPORT

Results for "( (optical disk)&lt;in&gt;metadata ) &lt;and&gt; ( control\*&lt;in&gt;metadata ) ) and (card or boa...)"

Your search matched 11 of 1278046 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

[e-mail](#) [print friendly](#)
» [Search Options](#)[View Session History](#)[Modify Search](#)[New Search](#)

»
 Check to search only within this results set
Display Format:  Citation  Citation & Abstract» [Key](#)

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Select Article Information

**1. An optimal tracking controller design based on the estimation of tracking vibration quantity**

Moon-Noh Lee; Kyoung Bog Jin;  
 Consumer Electronics, IEEE Transactions on  
 Volume 51, Issue 2, May 2005 Page(s):478 - 484  
 Digital Object Identifier 10.1109/TCE.2005.1467990

[AbstractPlus](#) | Full Text: [PDF\(193 KB\)](#) [IEEE JNL](#)
**2. Software architecture for integration of video services in the Etherphone system**

Rangan, P.V.; Swinehart, D.C.;  
 Selected Areas in Communications, IEEE Journal on  
 Volume 9, Issue 9, Dec. 1991 Page(s):1395 - 1404  
 Digital Object Identifier 10.1109/49.108677

[AbstractPlus](#) | Full Text: [PDF\(1252 KB\)](#) [IEEE JNL](#)
**3. 90 mm rewritable optical disk drive**

Nakane, K.; Ogawa, M.; Yoshimoto, K.; Ogura, M.; Kiyose, Y.; Furukawa, T.;  
 Consumer Electronics, IEEE Transactions on  
 Volume 38, Issue 3, Aug 1992 Page(s):648 - 653  
 Digital Object Identifier 10.1109/30.156749

[AbstractPlus](#) | Full Text: [PDF\(532 KB\)](#) [IEEE JNL](#)
**4. Asymmetric/unidirectional error correcting and detecting codes**

Al-Bassam, S.; Bose, B.;  
 Computers, IEEE Transactions on  
 Volume 43, Issue 5, May 1994 Page(s):590 - 597  
 Digital Object Identifier 10.1109/12.280797

[AbstractPlus](#) | Full Text: [PDF\(680 KB\)](#) [IEEE JNL](#)
**5. A 3.5 in 230 Mbytes read-channel chip set for magneto-optical disk drives**

Sang-Soo Lee; Laber, C.A.;  
 Very Large Scale Integration (VLSI) Systems, IEEE Transactions on  
 Volume 4, Issue 4, Dec. 1996 Page(s):455 - 463  
 Digital Object Identifier 10.1109/92.544410

[AbstractPlus](#) | References | Full Text: [PDF\(888 KB\)](#) [IEEE JNL](#)
**6. Track-following control for optical disk drives using an iterative learning scheme**

Jung-Ho Moon; Moon-Noh Lee; Myung Jin Chung; Soo Yul Jung; Dong Ho Shin;  
 Consumer Electronics, IEEE Transactions on  
 Volume 42, Issue 2, May 1996 Page(s):192 - 198  
 Digital Object Identifier 10.1109/30.494420

[AbstractPlus](#) | Full Text: [PDF\(692 KB\)](#) [IEEE JNL](#)

7. **A CMOS 4x speed DVD read channel IC**  
Chun-Sup Kim; Geo-Ok Cho; Yong-Hwan Kim; Bang-Sup Song;  
Solid-State Circuits, IEEE Journal of  
Volume 33, Issue 8, Aug. 1998 Page(s):1168 - 1178  
Digital Object Identifier 10.1109/4.705355  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(260 KB\)](#) | [IEEE JNL](#)

8. **Error and flow control in terabit intelligent optical backplanes**  
Szymanski, T.H.; Tyan, V.;  
Selected Topics in Quantum Electronics, IEEE Journal of  
Volume 5, Issue 2, March-April 1999 Page(s):339 - 352  
Digital Object Identifier 10.1109/2944.778318  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(712 KB\)](#) | [IEEE JNL](#)

9. **Compact disc players in the laboratory: experiments in optical storage, error correction, and optical fiber communication**  
Lane, P.M.; Van Dommelen, R.; Cada, M.;  
Education, IEEE Transactions on  
Volume 44, Issue 1, Feb 2001 Page(s):47 - 60  
Digital Object Identifier 10.1109/13.912710  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(264 KB\)](#) | [IEEE JNL](#)

10. **Frequency-shaped sliding mode control for flying height of pickup head in near-field optical disk drives**  
Wu, W.C.; Liu, T.S.;  
Magnetics, IEEE Transactions on  
Volume 41, Issue 2, Feb. 2005 Page(s):1061 - 1063  
Digital Object Identifier 10.1109/TMAG.2004.842020  
[AbstractPlus](#) | Full Text: [PDF\(160 KB\)](#) | [IEEE JNL](#)

11. **2003 Digest of Technical Papers. International Conference on Consumer Electronics (Cat. No.03CH37416)**  
Consumer Electronics, 2003. ICCE. 2003 IEEE International Conference on  
17-19 June 2003  
[AbstractPlus](#) | Full Text: [PDF\(663 KB\)](#) | [IEEE CFP](#)



[Help](#) | [Contact Us](#) | [Privacy & Security](#) | [IEEE.org](#)

© Copyright 2006 IEEE -- All Rights Reserved

IEEEEXplore® Track-following control for optical disk drives using an iterative learning scheme

**IEEE Xplore**  
AbstractPlus

[View Search Results](#) | [Previous Article](#) | [Next Article](#)

[Access this document](#)

 Full Text: PDF (692 KB)

[Download this citation](#)

Choose  Citation Style: 

 EndNote, ProCite, RefMan

 BibTeX

[Download](#)

 PDF

 Word

 RTF

 HTML

 Postscript

[Learn More](#)

**Rights & Permissions**

**Request Permissions**

Ref ID: **44444444444444444444444444444444**

[Learn More](#)

**Abstract.** In this paper, we propose an iterative learning scheme to deal with the periodic off-track errors in the track-following control system for optical disk drives. The periodic errors could be taken into account more effectively by employing an iterative learning algorithm since the errors of the previous period are used to improve the performance of current period. We show a sufficient condition for the convergence of the learning algorithm in the presence of bounded modeling uncertainty. In addition, the effects of the initial state error on the tracking performance are analyzed. Finally, the proposed learning algorithm is demonstrated to be feasible through experiments applying it to the track-following control for an optical disk drive.

卷之三

Controlled Indexing

**Non-controlled Indexing** bounded modeling uncertainty iterative learning scheme optical disk drives periodic off-track errors sufficient condition track-following control

## References

Page 15





AbstractPlus

View Search Results

Access this document

Full Text: PDF (692 KB)

Download this citation

Choose Citation

Download EndNote, ProCite, RefMan

&gt; Learn More

Download PDF

&gt; Learn More

Rights &amp; Permissions

Request Permissions

&gt; Learn More

Home | Log in | Logout | Access Information | Alerts | Screen | Help

Western United States Patent and Trademark Office

SEARCH

Jung-Ho Moon, Moon-Noh Lee, Myung-Jin Chung, Soo-Yul Jung, Dong-Ho Shin,

Dept. of Electr. Eng., Korea Adv. Inst. of Sci. &amp; Technol., Seoul, South Korea;

This paper appears in: Consumer Electronics, IEEE Transactions on

Publication Date: May 1996

Volume: 42, Issue: 2

On page(s): 192 - 198

ISSN: 0098-3063

CODEN: ITCEDA

INSPEC Accession Number:52888424

Digital Object Identifier: 10.1109/30.494420

Posted online: 2002-08-06 20:20:25.0

Abstract

In this paper, we propose an iterative learning scheme to deal with the periodic off-track errors in the track-following control system for optical disk drives. The periodic errors could be taken into account more effectively by employing an iterative learning algorithm since the errors of the previous period are used to improve the performance of current period. We show a sufficient condition for the convergence of the learning algorithm in the presence of bounded modeling uncertainty. In addition, the effects of the initial state error on the tracking performance are analyzed. Finally, the proposed learning algorithm is demonstrated to be feasible through experiments applying it to the track-following control for an optical disk drive

Index Terms

Inspec

Controlled Indexing

controllers, iterative methods, optical disc storage

Non-controlled Indexing

bounded modelling uncertainty, iterative learning scheme, optical disk drives, periodic off-track errors, sufficient condition, track-following control

Author Keywords

Not Available

References

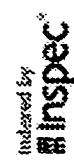
No references available on IEEE Xplore.

Citing Documents

## Track-following control for optical disk drives using an iterative learning scheme

No citing documents available on IEEE Xplore.

[View Search Results](#) | [Previous Article](#) | [Next Article](#)



No citing documents available on IEEE Xplore.  
© Copyright 2005 IEEE - All Rights Reserved

[Help](#)

[Contact Us](#)

[Privacy & Security](#)

[IEEE.org](#)

# Refine Search

---

## Search Results -

Terms	Documents
L1 same computer	38

---

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

Refine Search
Recall Text
Clear
Interrupt

---

## Search History

---

**DATE:** Monday, December 05, 2005    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u>
side by side		result set	
DB=PGPB,USPT,USOC; PLUR=YES; OP=OR			
<u>L2</u> L1 same computer		38	<u>L2</u>
<u>L1</u> (optical adj1 (disk or disc)) same (control\$4 near3 (board or card)) same (external or remote or separate)		95	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

---

### Search Results -

Terms	Documents
L1 same computer	0

---

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

L3	▼	▼	Refine Search
		Recall Text	Clear
		Interrupt	

---

### Search History

---

DATE: Monday, December 05, 2005    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set</u> <u>Name</u>
side by side			result set
DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
<u>L3</u> L1 same computer		0	<u>L3</u>
DB=PGPB,USPT,USOC; PLUR=YES; OP=OR			
<u>L2</u> L1 same computer		38	<u>L2</u>
<u>L1</u> (optical adj1 (disk or disc)) same (control\$4 near3 (board or card)) same (external or remote or separate)		95	<u>L1</u>

END OF SEARCH HISTORY

# Freeform Search

---

<b>Database:</b>	<input checked="" type="checkbox"/> US Pre-Grant Publication Full-Text Database <input checked="" type="checkbox"/> US Patents Full-Text Database <input checked="" type="checkbox"/> US OCR Full-Text Database <input type="checkbox"/> EPO Abstracts Database <input type="checkbox"/> JPO Abstracts Database <input type="checkbox"/> Derwent World Patents Index <input type="checkbox"/> IBM Technical Disclosure Bulletins				
<b>Term:</b>	<code>((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate)</code>				
<b>Display:</b>	10	<b>Documents in Display Format:</b>	[-]	Starting with Number	1
<b>Generate:</b> <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image					

---

Search
Clear
Interrupt

---

## Search History

---

**DATE:** Monday, December 05, 2005    [Printable Copy](#)    [Create Case](#)

Set	Name	Query	Hit Count	Set Name
	side by side			result set
		<i>DB=PGPB,USPT,USOC; PLUR=YES; OP=OR</i>		
<u>L5</u>		((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate)	34	<u>L5</u>
<u>L4</u>		((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate).ab.	0	<u>L4</u>
<u>L3</u>		(optical adj1 (disk or disc)).ab. and (control\$4 near3 (board or card)).ab. and (external or remote or separate).ab.	1	<u>L3</u>
<u>L2</u>		L1 same computer	38	<u>L2</u>
<u>L1</u>		(optical adj1 (disk or disc)) same (control\$4 near3 (board or card)) same (external or remote or separate)	95	<u>L1</u>

END OF SEARCH HISTORY

# Refine Search

---

## Search Results -

Terms	Documents
((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate)	8

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**

▼
Refine Search

Recall Text
Clear
Interrupt

## Search History

---

DATE: Monday, December 05, 2005 [Printable Copy](#) [Create Case](#)

<u>Set</u>	<u>Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side				result set
DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR				
<u>L6</u>	((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate)		8	<u>L6</u>
DB=PGPB,USPT,USOC; PLUR=YES; OP=OR				
<u>L5</u>	((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate)		34	<u>L5</u>
<u>L4</u>	((optical adj1 (disk or disc)) near10 (control\$4 near3 (board or card))) same (external or remote or separate).ab.		0	<u>L4</u>
<u>L3</u>	(optical adj1 (disk or disc)).ab. and (control\$4 near3 (board or card)).ab. and (external or remote or separate).ab.		1	<u>L3</u>
<u>L2</u>	L1 same computer		38	<u>L2</u>
<u>L1</u>	(optical adj1 (disk or disc)) same (control\$4 near3 (board or card)) same (external or remote or separate)		95	<u>L1</u>

END OF SEARCH HISTORY